



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/587,491	06/02/2000	Nikhil Deshpande	6926 US	7274

7590 10/03/2002

Francis L Gray
Tektronix Inc
PO Box 500
Delivery Station 50-LAW
Beaverton, OR 97077

EXAMINER

ORGAD, EDAN

ART UNIT PAPER NUMBER

2682

DATE MAILED: 10/03/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Salinger (US Patent # 6,212,229).

Regarding claim 1, Salinger teaches a method of identifying a signal type comprising the steps of: selecting a signal of interest from a displayed spectral waveform for a specified range of frequencies (column 7, lines 58-60); processing data representing the signal of interest to ascertain characteristics of the signal of interest (column 7, lines 61-66); and from the characteristics of the signal of interest determining an identification of the signal type (column 7, line 66- column 8, line 6).

Regarding claim 2, Salinger teaches the determining step comprises the step of comparing the frequency of the signal of interest with a database of spectral assignments for a plurality of known signals to identify the signal type (column 7, lines 61- column 8, line 6, *Salinger discloses comparing the upper and lower cutoff frequencies of desired single with a predetermined power level above the noise floor*).

Art Unit: 2682

Regarding claim 3, Salinger teaches the processing step comprises the step of estimating from the data an occupied bandwidth for the signal of interest as one of the characteristics for input to the determining step (column 6, lines 58-66).

Allowable Subject Matter

Claims 4 and 5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claim 4, the prior art of record fails to specifically disclose the processing step further comprises the step of *estimating from the data a complementary cumulative distribution function of the peak power for the signal of interest* as one of the characteristics for input to the determining step.

Claim 6 is allowed.

Regarding claim 6, the prior art of record fails to specifically disclose the selecting a signal of interest from a displayed spectral waveform for a specified frequency range; estimating an occupied bandwidth for the signal of interest from data representing the signal of interest; *estimating a complementary cumulative distribution function of peak power from the data for the signal of interest where the occupied bandwidth is common to more than one known signal type*; reporting a identification of the signal type as a function of the complementary cumulative distribution function.

Art Unit: 2682

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edan Orgad whose telephone number is 703-305-4223. The examiner can normally be reached on 8:00AM to 5:30PM with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on 703-308-6739. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9315 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Edan (Dan) Orgad

Edan Orgad
September 30, 2002

Vivian Chin
VIVIAN CHIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

9/30/02